WM-FX12

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

Model Name Using Similar Mechanism	WM-FX10
Tape Transport Mechanism Type	MT-WMEX10-48 MT-WMEX10M-48

SPECIFICATIONS

Radio
FM: 87.6—108MHz (US, Canadian models)
87.6—107MHz (Germany model)
87.5—108MHz (Italian model)
87.6—107.9MHz (Other countries models)
AM: 530—1,710kHz (US, Canadian models)
526.5—1,606.5kHz (Italian model)
531—1,602kHz (Other countries models)

Power requirements
3 V DC batteries R6 (AA) x 2
External DC 3 V power sources

Battery life (Approximate hours)

	Playback	Radio
Sony Alkaline AM3 (N)	8 hrs.	30 hrs.
Sony SUM-3 (NS)	3.5 hrs.	15 hrs.
Rechargeable Battery (US, Canadian models)	2.5 hrs.	9.5 hrs.

Accessories supplied
Stereo headphones (1) Beltclip (1)
Battery charger (1) (US, Canadian models)
Rechargeable batteries (2) (US, Canadian models)

Your dealer may not handle some of the above listed accessories. Please ask the dealer for detailed information.

Design and specifications subject to change without notice.

FLEXIBLE CIRCUIT BOARD REPAIRING

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

NOTES ON CHIP COMPONENT REPLACEMENT

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

MICROFILM

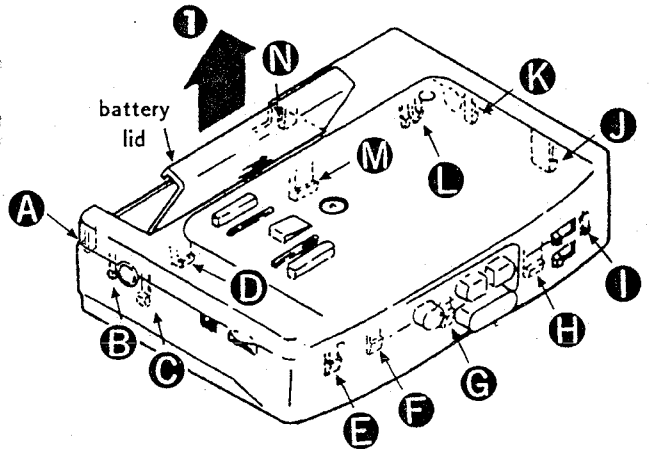
RADIO CASSETTE PLAYER

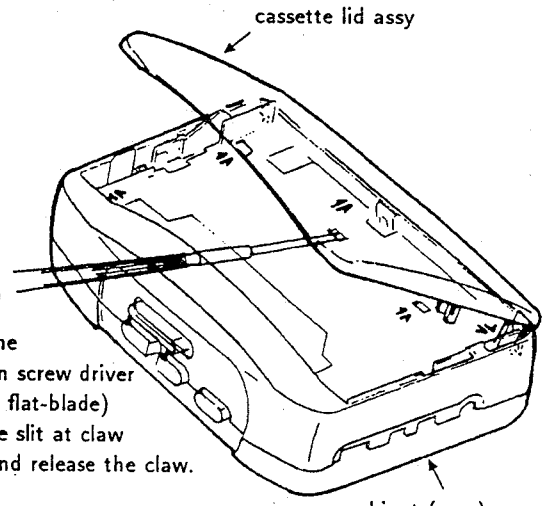
SONY®

SECTION 1
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

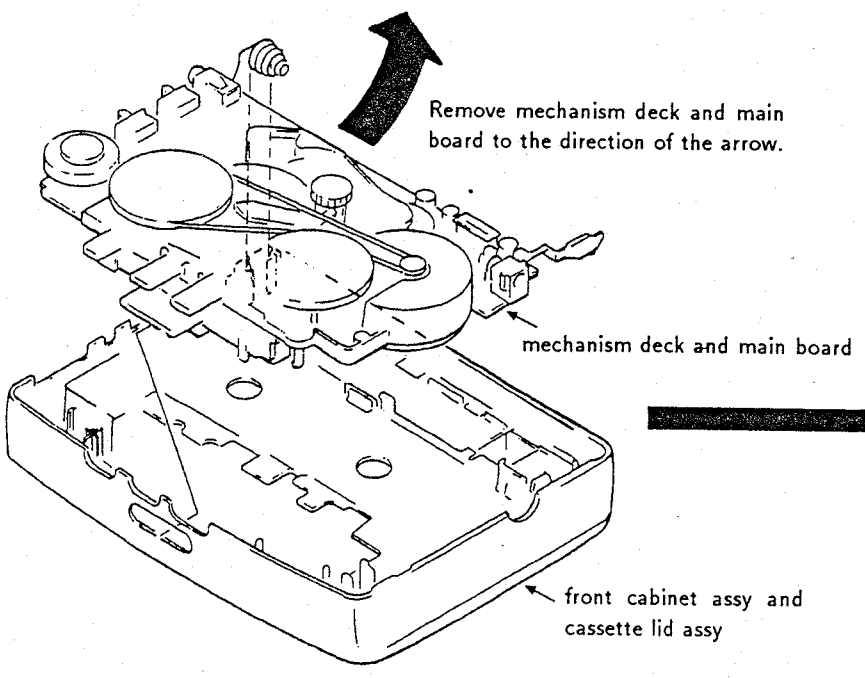
CABINET (REAR) ASSY



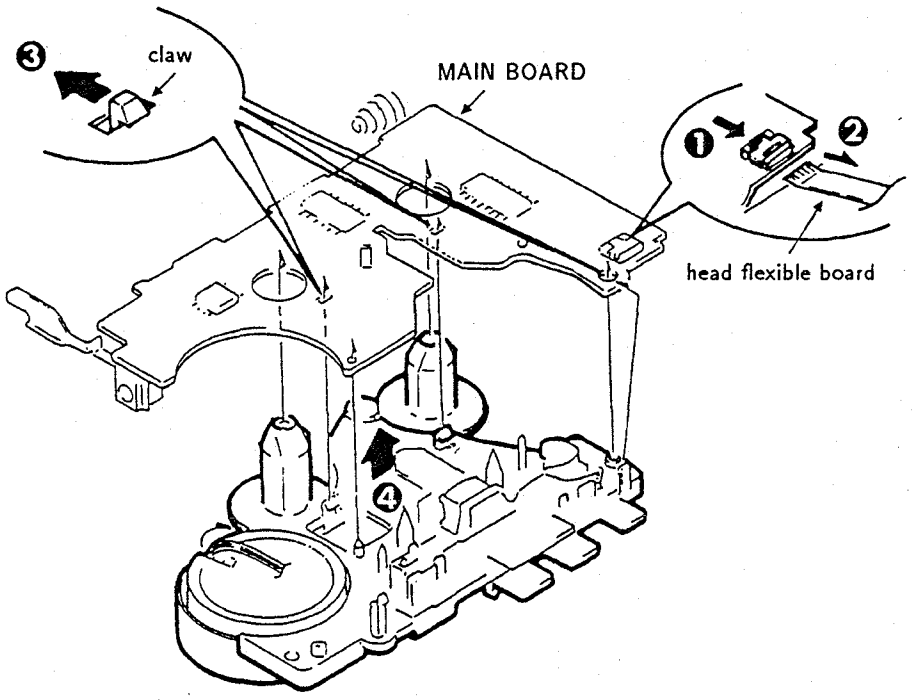

cassette lid assy
2
Insert the precision screw driver (1.4mm flat-blade) in to the slit at claw "⇌" and release the claw.
cabinet (rear) assy

3 Remove the cabinet (rear) assy. (Release all claw A to N in alphabetical order.)

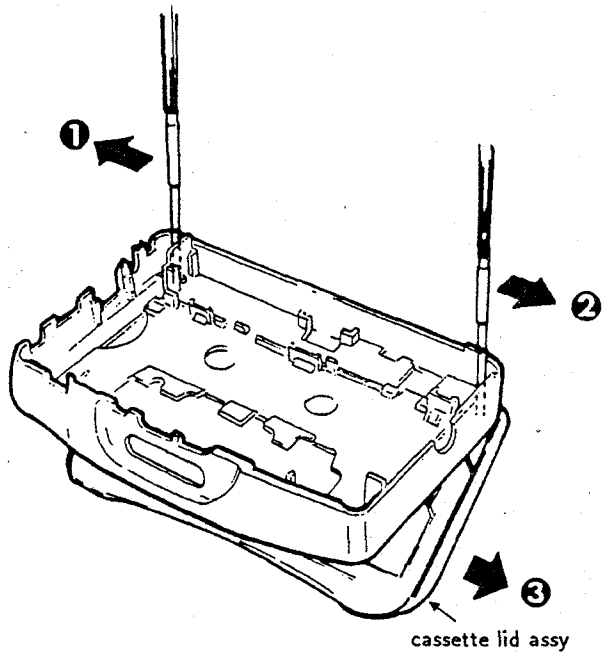
MECHANISM DECK AND MAIN BOARD


Remove mechanism deck and main board to the direction of the arrow.
mechanism deck and main board
front cabinet assy and cassette lid assy

MAIN BOARD



CASSETTE LID ASSY

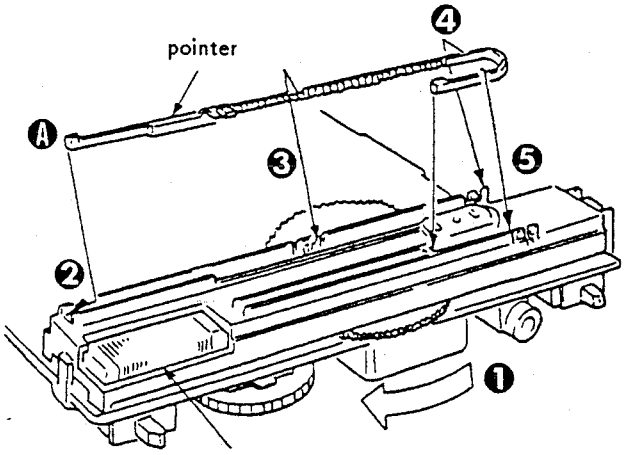


Dial pointer setting

❶ The knob (TUN) fully turned to the direction of arrow

❷ Insert the Ⓐ position of pointer to the ditch of left edge

❸ Hook the pointer to numerical order of number ❸, ❹ and ❺



SECTION 2
ADJUSTMENTS

2-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab :
   playback head pinch roller
   capstan rubber belts
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (2.5V) unless otherwise noted.

Torque Measurement

Mode	Torque meter	Meter reading
FWD	CQ-102C	20 - 42 g-cm (0.28 - 0.58 oz-inch)
FWD Back Tension		less than 3 g-cm (less than 0.04 oz-inch)
FF, REW	CQ-201B	More than 60 g-cm (more than 0.83 oz-inch)

2-2. ELECTRICAL ADJUSTMENTS

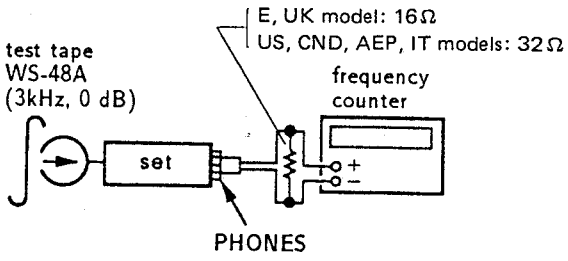
- Supplied voltage : 2.5V
- Switch and control position
  TAPE switch : NORM
  MODE switch : ST ... EXCEPT US/Canadian
  SENS switch : DX ... US/Canadian
  VOLUME CONTROL : maximum

Test Tape

Type	Signal	Used for
WS-48A	3 kHz, 0 dB	Tape Speed Adjustment

TAPE SPEED ADJUSTMENTS

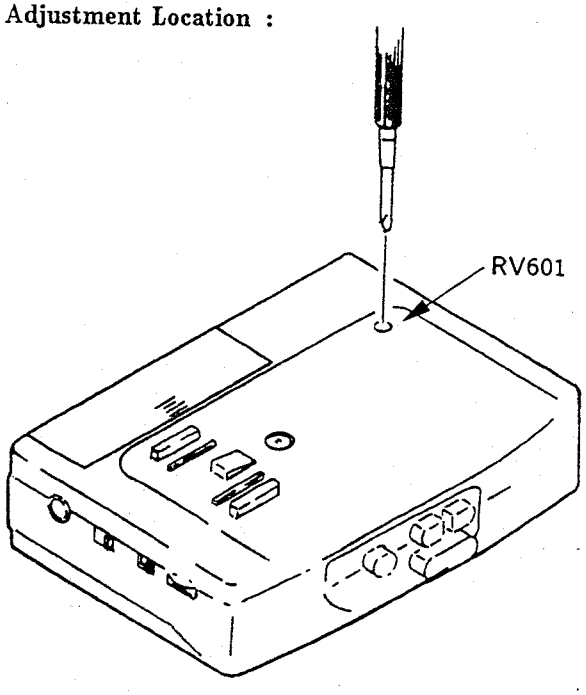
Procedure :



- Abbreviation
  CND: Canadian model
  IT: Italian model

Play back WS-48A (tape center portion) in FWD mode. Adjustment the RV601 so that frequency counter reads 2,970 ± 15Hz.

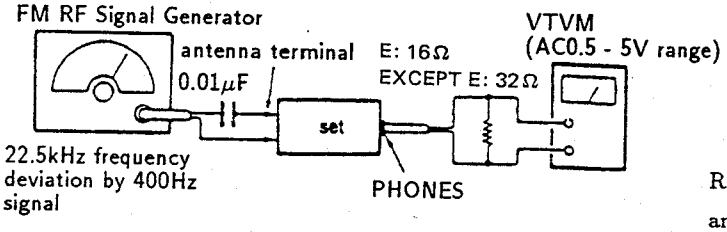
Adjustment Location :



Radio section

FUNCTION switch : RADIO

FM section



Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be final done by the trimmer capacitors.

FM Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	86.8MHz ((87.35MHz)) [87.35MHz]	L3	maximum
f maximum	109.2MHz ((107.8MHz)) [108.25MHz]	CT3	

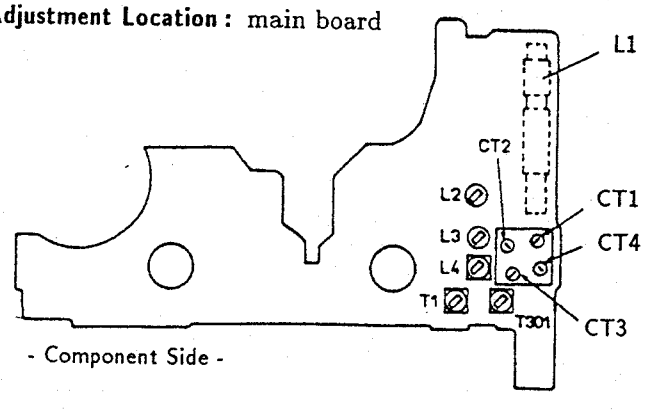
(( )) : AEP model, [ ] : IT model

FM Tracking Adjustment

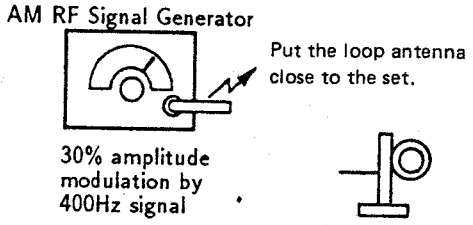
SG and set frequency	Adjustment part	Reading on VTVM
86.8MHz ((87.35MHz)) [87.35MHz]	L2	maximum
109.2MHz ((107.8MHz)) [108.25MHz]	CT2	

(( )) : AEP model, [ ] : IT model

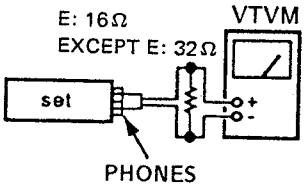
Adjustment Location : main board



AM section



Repeat the procedures in each adjustment several times , and the frequency coverage and tracking ajustments should be final done by the trimmer capacitors.



AM IF Alignment

Adjustment part	Reading on VTVM
T1	maximum

AM Frequency Coverage Adjustment

Pointer position	SG frequency	Adjustment part	Reading on VTVM
f minimum	518kHz ((523kHz)) [516.5kHz]	L4	maximum
f maximum	1,725kHz ((1,618kHz)) [1,631.5kHz]	CT4	

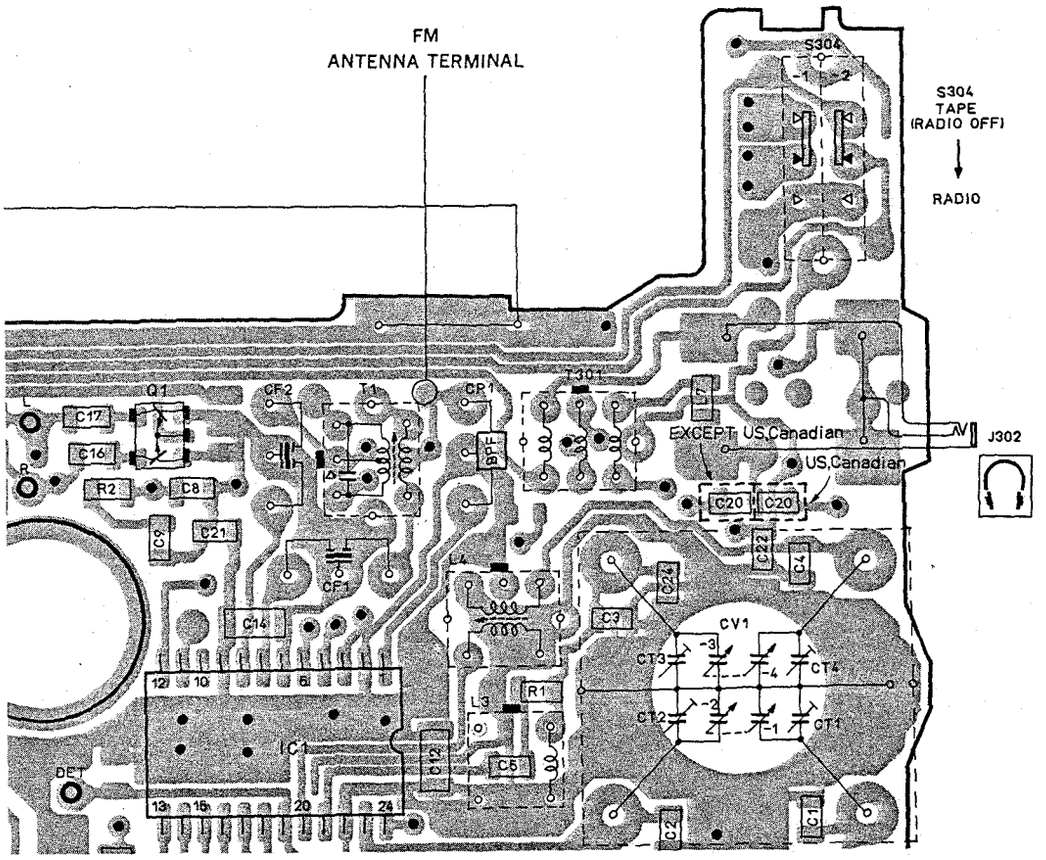
(( )) : AEP model, [ ] : IT model

AM Tracking Adjustment

SG and set frequency	Adjustment part	Reading on VTVM
620kHz ((800kHz)) [800kHz]	L1	maximum
1,400kHz ((1,300kHz)) [1,300kHz]	CT1	

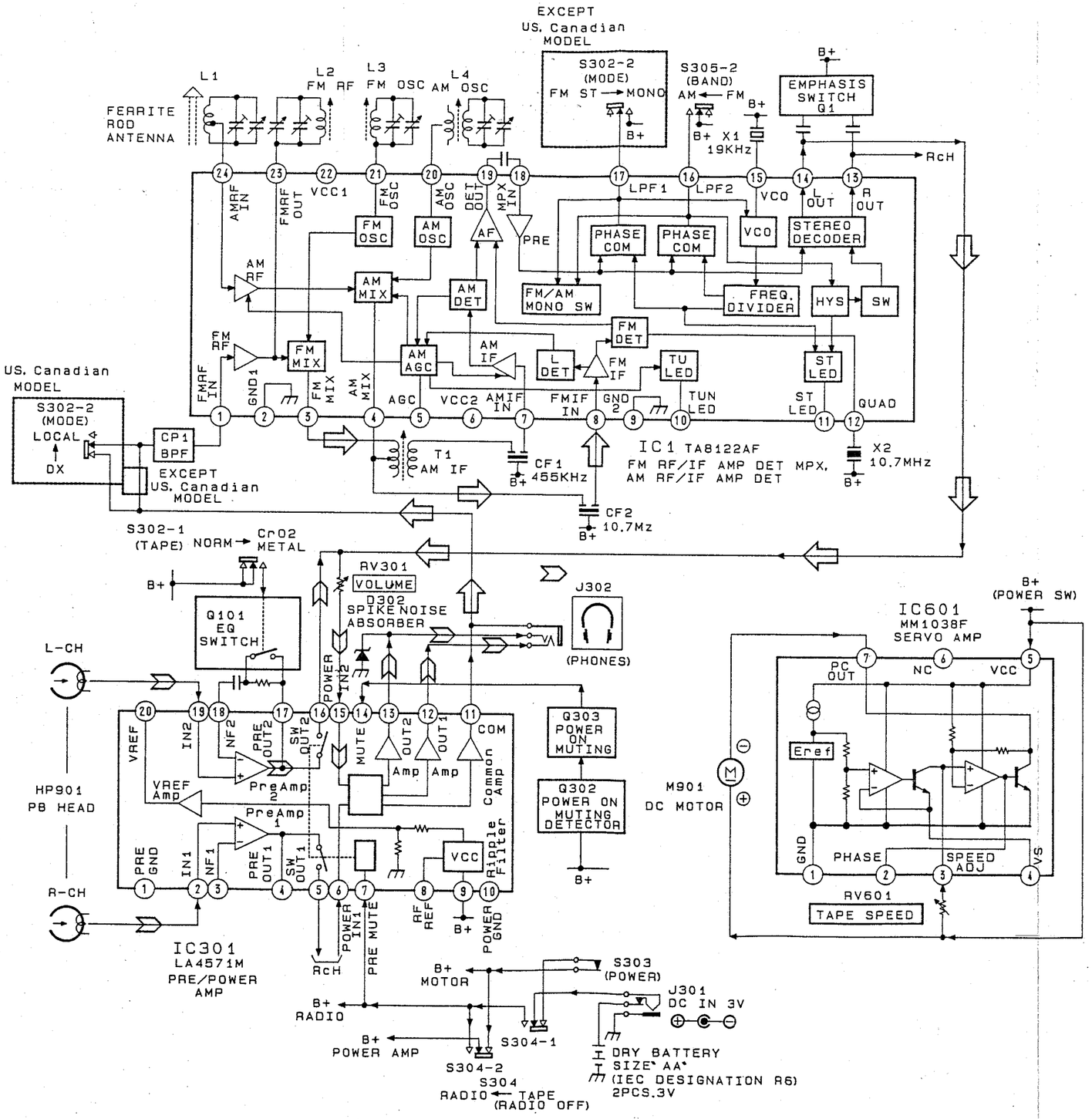
(( )) : AEP model, [ ] : IT model

- Abbreviation
  IT: Italian model


FM
ANTENNA TERMINAL
S304
S304
TAPE
(RADIO OFF)
RADIO
J302
EXCEPT US,Canadian
US,Canadian
Q1
CF2
T1
CR1
T301
C17
C16
R2
C8
C9
C21
CF1
C14
C20
C22
C4
C24
C3
CV1
CT3
CT4
CT2
CT1
L4
L3
R1
C5
C12
IC1
DET
C2
C1

SECTION 3
DIAGRAMS

3-1. BLOCK DIAGRAM



• Semiconductor Location

Ref. No.	Location
D302	C-5
IC1	D-10
IC301	D-6
IC601	D-3
Q1	C-9
Q101	E-6
Q201	C-7
Q302	E-5
Q303	E-6

Note on Printed Wiring Board:

- ■ : parts mounted on the conductor side.
- ⬚ indicates side identified with part number.
- ● : Through hole.
- ▒▒ : Pattern on the side which is seen.
- ▒▒ : Pattern of the rear side.

Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- B+ : B+ Line
- ▭ : adjustment for repair.
- Total current is measured with no cassette installed.
- Power voltage is dc 1.3V and fed with regulated dc power supply from external power voltage jack.
- Voltage and waveforms are dc with respect to qround in playback mode.
  no mark : FWD
  ( ): Selection of each mode
- Voltages are taken with a VOM (Input Impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ⇦ : PB

3-3. SCHEMATIC DIAGRAM • See page 10 for note.

【MAIN BOARD】

IC1 TA8122AF — FM RF/IF AMP, DET, MPX / AM RF/IF AMP, DET

*	C1	C2	C3	C4	C16	C17	C24	R3 R4	R105 R205
US	3P	20P	22P	9P	0.022	0.022		22K	0
Canadian	3P	20P	22P	9P	0.022	0.022		22K	0
E	5P	20P	22P	9P	0.015	0.015		47K	10K
UK	3P	20P	22P	9P	0.015	0.015		47K	10K
AEP	6P	27P	2P	13P	0.015	0.015	27P	22K	0
IT	6P	27P		13P	0.015	0.015	27P	22K	0

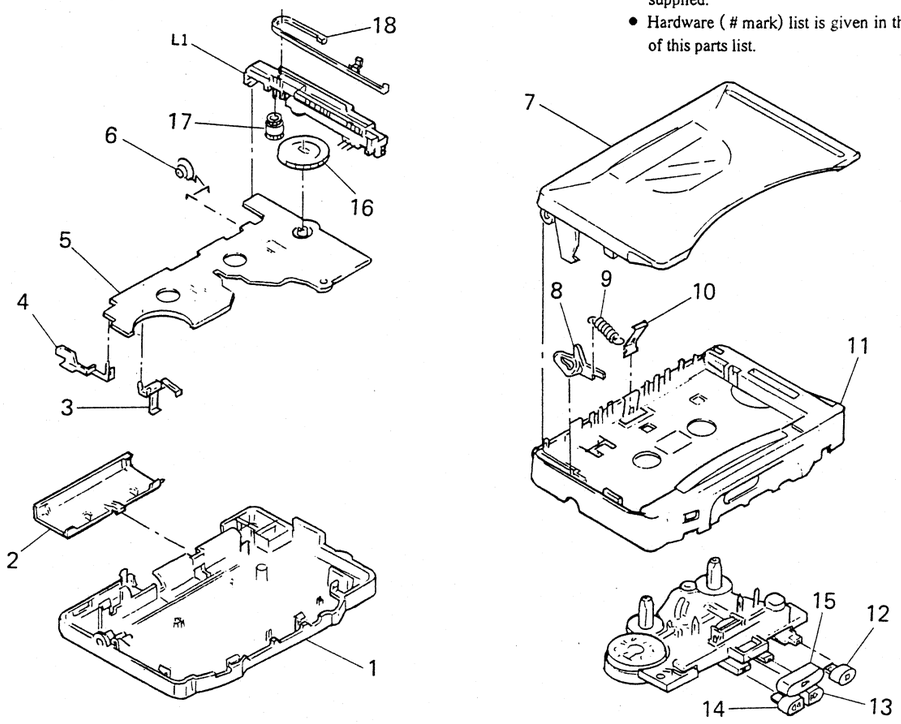
MOTOR	R601 R602
MATSUSHITA	2.4
SANKYO	2.7

SECTION 4 EXPLODED VIEWS

NOTE:

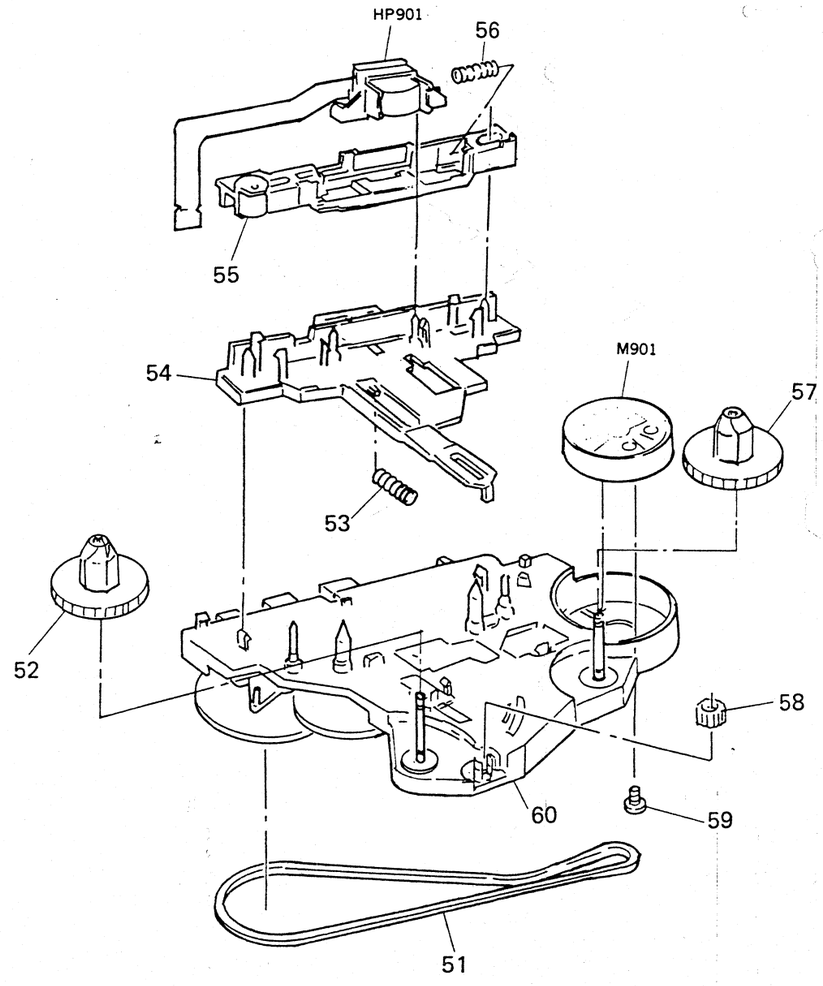
- -XX,-X mean standardized parts, so they may have some difference from the original one.
- Color indication of Appearance Parts.
  Example:
  KNOB,BALANCE (WHITE) . . . (RED)
  ↑ Parts Color ↑ Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

4-1. MAIN SECTION



Ref. No.	Part No.	Description	Remark
1	3-364-649-01	CABINET (REAR) (CF)	
2	3-364-681-01	LID, BATTERY CASE	
3	3-364-676-01	SPRING (GROUND)	
4	3-364-672-01	TERMINAL, BATTERY	
5	A-3015-964-A	MAIN BOARD, COMPLETE	(US, Canadian)
5	A-3015-992-A	MAIN BOARD, COMPLETE	(IT)
5	A-3015-998-A	MAIN BOARD, COMPLETE	(AEP)
5	A-3016-001-A	MAIN BOARD, COMPLETE	(E)
5	A-3016-228-A	MAIN BOARD, COMPLETE	(UK)
6	3-364-646-01	SPRING (CF), BATTERY COIL	
7	X-3363-924-1	HOLDER (CF) (AB) ASSY, CASSETTE	(UK, E) (BLACK)
7	X-3363-925-1	HOLDER (CF) (AR) ASSY, CASSETTE	(UK, E) (RED)
7	X-3363-926-1	HOLDER (CF) (AL) ASSY, CASSETTE	(UK, E) (BLUE)
7	X-3363-927-1	HOLDER (CF) (AG) ASSY, CASSETTE	(UK, E) (GREEN)
7	X-3363-928-1	HOLDER (CF) (BR) ASSY, CASSETTE	(AEP, IT) (RED)
7	X-3363-929-1	HOLDER (CF) (BL) ASSY, CASSETTE	(AEP, IT) (BLUE)
7	X-3363-930-1	HOLDER (CF) (BG) ASSY, CASSETTE	(AEP, IT) (GREEN)
7	X-3363-931-1	HOLDER (CF) (BB) ASSY, CASSETTE	(AEP, IT) (BLACK)
7	X-3364-553-1	HOLDER (CF) (CB) ASSY, CASSETTE	(US, Canadian) (BLACK)
7	X-3365-368-1	HOLDER (CF) (CR) ASSY, CASSETTE	(US, Canadian) (RED)
7	X-3365-369-1	HOLDER (CF) (CL) ASSY, CASSETTE	(US, Canadian) (BLUE)
7	X-3365-370-1	HOLDER (CF) (CG) ASSY, CASSETTE	(US, Canadian) (GREEN)
8	3-364-682-01	LEVER (CLICK)	
9	3-364-674-01	SPRING, TENSION	
10	3-364-675-01	SPRING (CASSETTE)	
11	3-364-650-01	CABINET (FRONT) (CF)	(AEP, UK, E, IT)
11	3-364-650-11	CABINET (FRONT) (CF)	(US, Canadian)
12	3-364-680-01	BUTTON (STOP)	(US, Canadian, AEP, E, IT)
12	3-364-680-11	BUTTON (STOP)	(UK)
13	3-364-678-01	BUTTON (FF)	(US, Canadian, AEP, E, IT)
13	3-364-678-11	BUTTON (FF)	(UK)
14	3-364-679-01	BUTTON (REW)	(US, Canadian, AEP, E, IT)
14	3-364-679-11	BUTTON (REW)	(UK)
15	3-364-677-01	BUTTON (PLAY)	(US, Canadian, AEP, E, IT)
15	3-364-677-11	BUTTON (PLAY)	(UK)
16	3-364-648-01	KNOB (TUNE)	
17	3-364-644-01	GEAR (TUNE)	
18	3-364-645-01	POINTER	
L1	1-501-489-11	ANTENNA, FERRITE-ROD (MW)	

4-2. MECHANISM SECTION
(MT-WMEX10-48 / MT-WMEX10M-48)



Ref. No.	Part No.	Description	Remark
51	3-354-868-11	BELT	
52	3-364-319-01	GEAR (T REEL)	
53	3-364-328-01	SPRING, COMPRESSION	
54	3-364-321-01	LEVER, PLAY	
55	X-3362-319-1	PINCH LEVER ASSY	
56	3-364-329-01	SPRING, COMPRESSION	
57	3-364-320-01	GEAR (S REEL)	
58	3-364-326-01	GEAR (REVERSE)	
59	3-352-758-11	SCREW (M1.7X2), TOOTHED LOCK	
60	X-3362-404-1	CHASSIS ASSY	
HP901	1-543-783-11	HEAD, MAGNETIC (PLAYBACK)	
M901	1-541-841-11	MOTOR (SANKYO)	
M901	1-541-842-11	MOTOR (MATSUHITA)	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the part specified in the diagrams or the components used on the set.
- -XX,-X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "＊" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case,u : μ ,for example :
  uA... : μA..., uPA... : μPA...,
  uPB... : μPB..., uPC... : μPC...,
  uPD... : μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description			Remark
	A-3015-964-A	MAIN BOARD, COMPLETE			(US, Canadian)
		**********			
	A-3015-992-A	MAIN BOARD, COMPLETE			(IT)
		**********			
	A-3015-998-A	MAIN BOARD, COMPLETE			(AEP)
		**********			
	A-3016-001-A	MAIN BOARD, COMPLETE			(E)
		**********			
	A-3016-228-A	MAIN BOARD, COMPLETE (UK)			
		**********			
	3-364-644-01	GEAR (TUNE)			
	3-364-645-01	POINTER			
	3-364-646-01	SPRING (CF), BATTERY COIL			
	3-364-648-01	KNOB (TUNE)			
	3-364-672-01	TERMINAL, BATTERY			
	3-364-676-01	SPRING (GROUND)			
		< CAPACITOR >			
C1	1-163-086-00	CERAMIC CHIP	3PF		50V (US, Canadian, UK, E)
C1	1-163-089-00	CERAMIC CHIP	6PF		50V (AEP, IT)
C2	1-163-100-00	CERAMIC CHIP	20PF	5%	50V (US, Canadian, UK, E)
C2	1-163-103-00	CERAMIC CHIP	27PF	5%	50V (AEP, IT)
C3	1-163-085-00	CERAMIC CHIP	2PF		50V (AEP)
C3	1-163-101-00	CERAMIC CHIP	22PF	5%	50V (US, Canadian, UK, E)
C4	1-163-092-00	CERAMIC CHIP	9PF	0.25PF	50V (US, Canadian, UK, E)
C4	1-163-096-00	CERAMIC CHIP	13PF	5%	50V (AEP, IT)
C5	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C6	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C7	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C8	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C9	1-163-038-00	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C10	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C11	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C12	1-163-063-00	CERAMIC CHIP	0.022uF	10%	50V
C13	1-126-153-11	ELECT	22uF	20%	6.3V
C14	1-163-078-11	CERAMIC CHIP	0.033uF	10%	25V
C16	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V (AEP, UK, E, IT)
C17	1-163-023-00	CERAMIC CHIP	0.015uF	5%	50V (AEP, UK, E, IT)
C24	1-136-103-00	CERAMIC CHIP	27PF	5%	50V (AEP, IT)
C15	1-126-154-11	ELECT	47uF	20%	6.3V
C16	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V (US, Canadian)
C17	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V (US, Canadian)
C18	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C19	1-163-077-00	CERAMIC CHIP	0.1uF	10%	25V
C20	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C21	1-164-346-11	CERAMIC CHIP	1uF		16V
C22	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C102	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C103	1-126-153-11	ELECT	22uF	20%	6.3V
C104	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C109	1-162-638-11	CERAMIC CHIP	1uF		16V
C113	1-163-189-00	CERAMIC CHIP	220PF	10%	50V
C202	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C203	1-126-153-11	ELECT	22uF	20%	6.3V
C204	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C209	1-162-638-11	CERAMIC CHIP	1uF		16V
C213	1-163-189-00	CERAMIC CHIP	220PF	10%	50V
C301	1-162-638-11	CERAMIC CHIP	1uF		16V
C304	1-126-153-11	ELECT	22uF	20%	6.3V
C305	1-126-153-11	ELECT	22uF	20%	6.3V
C307	1-163-117-00	CERAMIC CHIP	100PF	5%	50V

MAIN

Ref.No.	Part No.	Description			Remark
C308	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C311	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C312	1-164-346-11	CERAMIC CHIP	1uF		16V
C314	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C315	1-164-346-11	CERAMIC CHIP	1uF		16V
C601	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C602	1-164-346-11	CERAMIC CHIP	1uF		16V
C603	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C604	1-124-434-00	ELECT	220uF	20%	4V
		< FILTER >			
CF1	1-527-870-00	FILTER			(US, Canadian, AEP, E, IT)
CF1	1-567-129-00	FILTER, CERAMIC			(UK)
CF2	1-567-198-71	FILTER, CERAMIC			
		< CONNECTOR >			
CN301	1-569-252-21	HOUSING, CONNECTOR (FPC) 5P			
		< CONPOSITION CIRCUIT BLOCK >			
CP1	1-236-711-12	FILTER, BAND PASS			
		< VARIABLE CAPACITOR >			
CV1	1-151-629-21	CAP, VAR, POLYETHYLENE			
		< DIODE >			
D302	8-719-420-90	DIODE MA8051-M			
		< IC >			
IC1	8-759-230-39	IC TA8122AF			
IC301	8-759-821-89	IC LA4571M			
IC601	8-759-999-06	IC MM1038F			
		< JACK >			
J301	1-568-228-11	JACK, EXTERNAL POWER			
J302	1-565-287-11	JACK			
		< JUMPER RESISTOR >			
JR1	1-216-296-00	METAL CHIP	0	5%	1/8W
JR2	1-216-296-00	METAL CHIP	0	5%	1/8W
JR3	1-216-296-00	METAL CHIP	0	5%	1/8W
JR4	1-216-296-00	METAL CHIP	0	5%	1/8W
JR5	1-216-296-00	METAL CHIP	0	5%	1/8W
JR6	1-216-296-00	METAL CHIP	0	5%	1/8W
JR7	1-216-296-00	METAL CHIP	0	5%	1/8W
JR8	1-216-296-00	METAL CHIP	0	5%	1/8W
JR10	1-216-295-00	METAL CHIP	0	5%	1/10W
JR11	1-216-295-00	METAL CHIP	0	5%	1/10W

Ref.No.	Part No.	Description			Remark
JR12	1-216-295-00	METAL CHIP	0	5%	1/10W
JR13	1-216-295-00	METAL CHIP	0	5%	1/10W (AEP, UK, E, IT)
JR105	1-216-295-00	METAL CHIP	0	5%	1/10W (US, Canadian, AEP, IT)
JR205	1-216-295-00	METAL CHIP	0	5%	1/10W (US, Canadian, AEP, IT)
		< COIL >			
L1	1-501-489-11	ANTENNA, FERRITE-ROD (MW)			
L2	1-460-120-11	COIL (WITH CORE)			(US, Canadian, UK, E)
L2	1-460-122-11	COIL (WITH CORE)			(AEP)
L2	1-460-124-11	COIL (WITH CORE)			(IT)
L3	1-460-130-11	COIL (WITH CORE)			(IT)
L3	1-460-128-11	COIL (WITH CORE)			(AEP)
L3	1-460-126-11	COIL (WITH CORE)			(US, Canadian, UK, E)
L4	1-406-409-11	COIL (OSC)			(AEP, IT)
L4	1-406-411-11	COIL (OSC)			(UK)
L4	1-406-408-11	COIL (OSC)			(US, Canadian, E)
L5	1-412-006-31	INDUCTOR CHIP	10uH		
L6	1-412-006-31	INDUCTOR CHIP	10uH		
L7	1-410-999-11	INDUCTOR CHIP	3.3uH		
		< TRANSISTOR >			
Q1	8-729-403-17	TRANSISTOR	XN1215		
Q101	8-729-113-26	TRANSISTOR	FA1L3Z-L37		
Q201	8-729-113-26	TRANSISTOR	FA1L3Z-L37		
Q302	8-729-216-22	TRANSISTOR	2SA1162-G		
Q303	8-729-903-10	TRANSISTOR	FMW1		(AEP, UK, E, IT)
Q303	8-729-402-13	TRANSISTOR	XN1501		
		< RESISTOR >			
R1	1-216-001-00	METAL CHIP	10	5%	1/10W
R2	1-216-081-00	METAL CHIP	22K	5%	1/10W
R3	1-216-081-00	METAL CHIP	22K	5%	1/10W (US, Canadian, AEP, IT)
R3	1-216-089-00	METAL CHIP	47K	5%	1/10W (UK, E)
R4	1-216-081-00	METAL CHIP	22K	5%	1/10W (US, Canadian, AEP, IT)
R4	1-216-089-00	METAL CHIP	47K	5%	1/10W (UK, E)
R101	1-216-046-00	METAL CHIP	750	5%	1/10W
R102	1-216-117-00	METAL CHIP	680K	5%	1/10W
R103	1-216-081-00	METAL CHIP	22K	5%	1/10W
R104	1-216-077-00	METAL CHIP	15K	5%	1/10W
R105	1-216-073-00	METAL CHIP	10K	5%	1/10W (UK, E)
R113	1-216-089-00	METAL CHIP	47K	5%	1/10W
R201	1-216-046-00	METAL CHIP	750	5%	1/10W
R202	1-216-117-00	METAL CHIP	680K	5%	1/10W
R203	1-216-081-00	METAL CHIP	22K	5%	1/10W
R204	1-216-077-00	METAL CHIP	15K	5%	1/10W
R205	1-216-073-00	METAL CHIP	10K	5%	1/10W (UK, E)

Ref.No.	Part No.	Description			Remark
R213	1-216-089-00	METAL CHIP	47K	5%	1/10W
R305	1-216-109-00	METAL CHIP	330K	5%	1/10W
R306	1-216-117-00	METAL CHIP	680K	5%	1/10W
R307	1-216-841-11	METAL CHIP	47K	5%	1/16W
R308	1-216-065-00	METAL CHIP	4.7K	5%	1/10W
R601	1-216-301-11	METAL GLAZE	2.4	5%	1/10W
R601	1-216-302-00	METAL CHIP	2.7	5%	1/10W
R602	1-216-301-11	METAL GLAZE	2.4	5%	1/10W
R602	1-216-302-00	METAL CHIP	2.7	5%	1/10W
R603	1-216-046-00	METAL CHIP	750	5%	1/10W
		< VARIABLE RESISTOR >			
RV301	1-238-072-11	RES, VAR, CABON	10K/10K		
RV601	1-241-028-11	RES, ADJ, CARBON	330		
		< SWITCH >			
S302	1-571-478-11	SWITCH, SLIDE			
S303	1-571-986-11	SWITCH, LEAF			
S304	1-571-478-11	SWITCH, SLIDE			
S305	1-571-478-11	SWITCH, SLIDE			
		< TRANSFORMER >			
T1	1-404-949-11	TRANSFORMER, IF			(US, Canadian, AEP, E, IT)
T1	1-404-951-21	TRANSFORMER, IF			(UK)
T301	1-409-483-11	COIL, TRAP			
		< THERMISTOR >			
TH601	1-809-279-11	THERMISTOR, POSITIVE			
TH602	1-809-029-11	THERMISTOR, POSITIVE			
		< VIBRATOR >			
X1	1-577-091-21	OSCILLATOR, CRYSTAL			
X2	1-567-198-71	FILTER, CERAMIC			

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Ref.No.	Part No.	Description	Remark
		MISCELLANEOUS	
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HP901	1-543-783-11	HEAD, MAGNETIC (PLAYBACK)	
M901	1-541-841-11	MOTOR (SANKYO)	
M901	1-541-842-11	MOTOR (MATSUSHITA)	

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		ACCESSORIES & PACKING MATERIALS	
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	1-528-179-11	BATTERY, STORAGE, NI-CD	(US, Canadian)
	1-528-371-11	CHARGER, BATTERY (BC-800U)	(US, Canadian)
	3-346-518-01	CLIP, BELT	
	3-374-408-01	LABEL, MODEL NUMBER	(AEP)
	3-374-414-01	LABEL, MODEL NUMBER	(UK, IT)
	3-374-415-01	LABEL, MODEL NUMBER	(US, Canadian, E)
*	3-374-421-01	CUSHION (UPPER)	(US)
*	3-374-422-01	CUSHION (LOWER)	(US)
*	3-374-426-01	CUSHION	(Canadian, AEP, UK, E, IT)
*	3-374-431-01	INDIVIDUAL CARTON	(AEP, IT)
*	3-374-434-01	INDIVIDUAL CARTON	(Canadian)
	3-375-672-01	LABEL (A), C/C	(IT)
*	3-377-731-01	INDIVIDUAL CARTON	(E)
	3-754-407-11	MANUAL, INSTRUCTION	(AEP, IT) (ENGLISH, FRENCH, SPANISH, PORTUGUESE, DUTCH, GERMAN, SWEDISH, ITALIAN)
	3-754-407-21	MANUAL, INSTRUCTION	(US) (ENGLISH)
	3-754-407-31	MANUAL, INSTRUCTION	(Canadian) (ENGLISH, FRENCH, SPANISH, GERMAN)
	3-754-407-61	MANUAL, INSTRUCTION	(UK, E) (ENGLISH, FRENCH, SPANISH, GERMAN)
	3-795-748-61	SAFETY INSTRUCTIONS, HEADPHONE	(US) (ENGLISH)
	8-952-447-90	MDR-006L/1 SET	(US, Canadian, AEP, IT)
	8-953-484-90	HEADPHONE MDR-E551V//K SET	(UK)
	8-953-485-90	HEADPHONE MDR-E551//K SET	(E)
	X-3329-657-1	ATTACHMENT ASSY	(UK, E)